

Datasheet for ABIN2782221

anti-Transferrin Receptor 2 antibody (N-Term)[Go to Product page](#)**2** Images

Overview

Quantity:	100 µL
Target:	Transferrin Receptor 2 (TFR2)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Cow, Dog, Guinea Pig, Rabbit, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Transferrin Receptor 2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human TFR2
Sequence:	RAALSRQKLD HWWTDTHYVG LQFPDPAHPN TLHWVDEAGK VGEQLPLEDP
Predicted Reactivity:	Cow: 100%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against TFR2. It was validated on Western Blot using a cell lysate as a positive control.
Purification:	Affinity Purified

Target Details

Target:	Transferrin Receptor 2 (TFR2)
---------	-------------------------------

Target Details

Alternative Name:	TFR2 (TFR2 Products)
Background:	<p>TFR2, a member of the transferrin receptor-like family, is a single-pass type II membrane protein with a protease associated (PA) domain, an M28 peptidase domain and a transferrin receptor-like dimerization domain. This protein mediates cellular uptake of transferrin-bound iron and mutations in this gene have been associated with hereditary hemochromatosis type III. This gene is a member of the transferrin receptor-like family and encodes a single-pass type II membrane protein with a protease associated (PA) domain, an M28 peptidase domain and a transferrin receptor-like dimerization domain. This protein mediates cellular uptake of transferrin-bound iron and mutations in this gene have been associated with hereditary hemochromatosis type III. Alternatively spliced variants which encode different protein isoforms have been described, however, not all variants have been fully characterized.</p> <p>Publication Note: This RefSeq record includes a subset of the publications that are available for this gene. Please see the Entrez Gene record to access additional publications.</p> <p>Alias Symbols: HFE3, MGC126368, TFRC2</p> <p>Protein Interaction Partner: FBXO6, ATP4A, SOCS3, UBC, HFE, TF,</p> <p>Protein Size: 801</p>
Molecular Weight:	89 kDa
Gene ID:	7036
NCBI Accession:	NM_003227 , NP_003218
UniProt:	Q9UP52
Pathways:	Transition Metal Ion Homeostasis

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 801 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 %

Handling

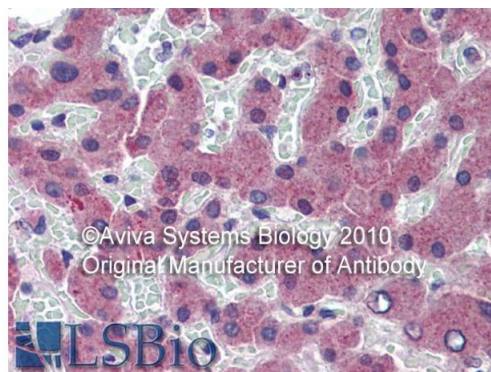
	sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Images



Western Blotting

Image 1. WB Suggested Anti-TFR2 Antibody Titration: 0.2-1 ug/ml ELISA Titer: 1:62500 Positive Control: Human Muscle



©Aviva Systems Biology 2010
Original Manufacturer of Antibody
LSBio
Rabbit Anti-TFR2 Antibody
Catalog Number: ARP45441
Lot Number: QC15528
Paraffin Embedded Tissue: Human Liver
Antibody Concentration: 10.0 µg/ml

Data courtesy of Lifespan Biosciences, Inc.
Aviva Systems Biology is the original manufacturer of this antibody.

Immunohistochemistry

Image 2.